#### **LOCATION - DOLORES/ICTF, CALIFORNIA**

**DESCRIPTION OF OPERATIONS** - Activities at the Yard include; receiving inbound trains, switching cars, loading and unloading intermodal trains, storage of intermodal containers and chassis, building and departing outbound trains, repairing freight cars and intermodal containers/chassis, and servicing locomotives. Facilities within the Yard include; classification tracks, a gate complex for inbound and outbound intermodal truck traffic, intermodal loading and unloading tracks, a locomotive service track, a freight car repair shop, an on site wastewater treatment plant, and various buildings and facilities supporting railroad and contractor operations.

Source	Activity	Typical	Option			Is the (	Option Feasib					
Area	Description	Loco. Model*	Number	Description of Option	Technically	Legally	Operationally	Economically	Safety	Other	Go?	Notes
1 Movement into & out of the Yard												
1a	Movement	Road fleet									_	
			1	Discontinue use of area	-	-	No	No	-	-	NO	must move into & out of yards
			2	Relocate Operation	-	-	?	?	-	-	?	will need to re-evaluate
			3	Dedicate Tier 2 units	Yes	Yes	LT	LT	Yes	-	NO	fleet will naturally turn over in time
			4	Retrofit w/ ICD's	Yes	Yes	Yes	LT	Yes	Yes	LT	will likely occur after LHP units
			5	Manual Shutdown	Yes	Yes	Yes	Yes	Yes	Yes	YES	udpated training program is under way
			6	Use LNG units	No	Yes	No	No	No	No	NO	significant serious issues
			7	Use CARB diesel	Yes	Yes	No	-	-	-	NO	CARB fuel not available outside Ca
			8	Use specialty fuels	No	Yes	No	No	-	-	NO	I.ebiodiesel/lubrizol; quality/supply issues
			9									
			10									
			11									
1b	Movement	Local fleet										
			1	Discontinue use of area	-	-	No	No	-	-	NO	must move into & out of yards
			2	Relocate Operation	-	-	?	?	-	-	?	will need to re-evaluate
			3	Dedicate ULEL switchers	Yes	Yes	LT	LT	Yes	-	NO	fleet will naturally turn over in time
			4	Retrofit w/ ICD's	Yes	Yes	Yes	Yes	Yes	Yes	YES	currently in process
			5	Manual Shutdown	Yes	Yes	Yes	Yes	Yes	Yes	YES	udpated training program is under way
			6	Use LNG units	No	Yes	No	No	No	No	NO	significant & serious issues
			7	Use CARB diesel	Yes	Yes	No	ı	-	-	NO	CARB fuel to be used in Ca
			8	Use specialty fuels	No	Yes	No	No	-	-	NO	I.ebiodiesel/lubrizol; quality/supply issues
			9									
			10									
			11									
2	Idling & move	ment w/in	location									
2a	Idling	Road fleet										
				See Source Area 1a for optio	ns associated	with move	ement ofRoad fle	et locomotives				
2b	Idling	Local fleet										
				See Source Area 1b for optio	ns associated	with move	ement of Local fl	eet locomotives				
2c	Idling	Mixed fleet		,								
See Source Area 1a for options associated with movement of the mixed fleet locomotives												
3	Idling at Svc T	rk, Modsea	rch, Shop	& Ready Tracks					-			
3a	Idling	Mixed fleet										
54	1019	ca neet										

Cauraa	Activity	Typical	Option			Is the (	Option Feasib					
Source Area	Description	Loco. Model*	Number	Description of Option	Technically	Legally	Operationally	Economically	Safety	Other	Go?	Notes
				See Source Area 1a for option	ns associated	with move	ement of Mixed f	fleet 1 locomotive	es			
3b	Idling											
	Movement bet	tween Svc 1										
3e	Movement	Shop fleet		See Source Area 1a for option								
	1											
3f	Movement	Shop fleet										
	T											
	Testing at Svc		Test, & Loc	comotive Shop								
3g	Testing	Test fleet		la	T				ı	ı		
			1	Discontinue use of area	-	-	No	No	-	-	NO	must move into & out of yards
			2	Relocate Operation	Yes	Yes	?	?	?	-	?	will need to re-evaluate
			3	Dedicate Tier 2 units	Yes	Yes	No	No	Yes	-	NO	tested fleet varies day to day
			5	Retrofit w/ ICD's	Yes	Yes	Yes	LT	Yes	Yes	LT	will likely occur after LHP units
				Manual Shutdown	Yes	Yes	Yes	Yes	Yes	Yes	YES	udpated training program is under way
							No -	No -	NO NO	significant serious issues CARB fuel not available outside Ca		
			7 8	Use specialty fuels	Yes No	Yes Yes	No No	No	_	<u>-</u>	NO	I.ebiodiesel/lubrizol; quality/supply issues
			7	Ins exhaust hood/scrub	No	Yes	Yes	No	7	-	NO	proof of concept under way
			9	Modify test proceedure	Yes	No	7	2	-	<del>-</del>	NO	previously completed
			10	Produty test proceedure	103	140	•				-110	previously completed
			11									
4	Flat Switching	of cars						L				
4a	Train Building											
			1	Discontinue use of area	-	-	No	No	-	-	NO	
			2	Dedicate Tier 2 units	Yes	Yes	No	No	-	-	NO	
			3	Dedicate Tier 2 Retrofit	No	Yes	Yes	No	-	-	No	GETS Kits
			4	Dedicate Green Goats	Yes	Yes	No	Yes	Yes	-	YES	assumes Goats will work
			5	Dedicate GSS's	Yes	Yes	Yes	Yes	Yes	-	YES	
			6	Dedicate CAT Switcher	Yes	Yes	Yes	Yes	Yes	-	YES	
			7	Retrofit w/ ICD's	Yes	Yes	Yes	Yes	-	-	YES	All are/will be retrofitted
			8	Manual Shutdown	Yes	Yes	Yes	Yes	-	ļ	YES	Extremely critical operation - monitor closely
			9	Use LNG units	No	Yes	No	No	?	No	NO	technical/safety/logistics issues
							NO	CARB fuel to be used in Ca				
11 Use specialty fuels Yes Yes No								NO	I.ebiodiesel/lubrizol; quality/supply issues			
			12							ļ		
	1		13									
5	Movement bet		s of the Ya	nrd								
5a	Movement	Road fleet										
				See Source Area 1a for option	ns associated	with move	ement of Road fl	eet locomotives				

Source	Activity	Typical	Option			Is the (	Option Feasib					
Area	Description	Loco. Model*	Number	Description of Option	Technically	Legally	Operationally	Economically	Safety	Other	Go?	Notes
5b	Movement	Local fleet										
	See Source Area 1b for options associated with movement of Local fleet locomotives											
6	Idling of Yard Equipment (shag tractors/hostlers, cranes, auto transports/haul-away carriers, etc.)											
6a	Idling	Hostlers	1	Discontinue use of area	-	-	No	No	-	-	NO	must move boxes in & around yards
			2	Relocate Operation	-	-	?	?	-	-	?	will need to re-evaluate
			3	Replace Exist Equipment	Yes	Yes	LT	LT	Yes	-	LT	fleet will naturally turn over in time
				Retrofit w/ ICD's	Yes	Yes	Yes	Yes	Yes	Yes	YES	currently in process
			5	Manual Shutdown	Yes	Yes	Yes	Yes	Yes	Yes	YES	udpated training program is under way
			6	Use LNG units	Yes	Yes	LT	LT	-	-	LT	will need to re-evaluate
			7	Use CARB diesel	Yes	Yes	Yes	?	-	-	?	will need to re-evaluate
			8	Use specialty fuels	Yes	Yes	Yes	?	-	-	NO	will need to evaluate
			9	Retrofit with DPF's	Yes	Yes	Yes	LT	Yes	-	LT	will need to evaluate
			10									
			11									
			12									
6b	Idling	Cranes										
				See Source Area 6a for option	ns associated	with move	ement of cranes	and packers				
6c	Idling	Transports										
			1	Discontinue use of area	ī	-	No	No	-	-	NO	must move boxes in & around yards
			2	Relocate Operation	1	-	?	?	-	-	?	will need to evaluate
			3	Replace Exist Equipment	Yes	Yes	No	No	Yes	-	NO	fleet is owned by haulaway carriers
			4	Retrofit w/ ICD's	Yes	Yes	No	No	Yes	-	NO	fleet is owned by haulaway carriers
			5	Manual Shutdown	Yes	Yes	?	Yes	Yes	Yes	?	fleet is owned by haulaway carriers
			6	Use LNG units	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			7	Use CARB diesel	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			8	Use specialty fuels	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			9	Retrofit with DPF's	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			10									
			11									
7	Movement of	ard Equipr	nent (sha	g tractors/hostlers, cran	es, auto tra	nsports	, etc.)					
7a	Movement	Hostlers	1	Discontinue use of area	-	-	No	No	-	-	NO	must move boxes in & around yards
			2	Relocate Operation	-	-	?	?	-	-	?	will need to re-evaluate
			3	Replace Exist Equipment	Yes	Yes	LT	LT	Yes	-	LT	fleet will naturally turn over in time
			4	Retrofit w/ ICD's	Yes	Yes	Yes	Yes	Yes	Yes	YES	currently in process
			5	Manual Shutdown	Yes	Yes	Yes	Yes	Yes	Yes	YES	udpated training program is under way
			6	Use LNG units	Yes	Yes	LT	LT	-	-	LT	will need to re-evaluate
			7	Use CARB diesel	Yes	Yes	Yes	?	-	-	?	will need to re-evaluate
			8	Use specialty fuels	Yes	Yes	Yes	?	-	-	NO	will need to evaluate
			9	Retrofit with DPF's	Yes	Yes	Yes	LT	Yes	-	LT	will need to evaluate
			10									
			11									
			12									
7b	Movement	Cranes					•					

Source	Activity	Typical	Option			Is the (	Option Feasib					
Area	Description	Loco. Model*	Number	Description of Option	Technically	Legally		Economically	Safety	Other	Go?	Notes
	See Source Area 7a for options associated with movement of cranes and packers											
7c	Movement	Transports										
			1	Discontinue use of area	-	-	No	No	-	-	NO	must move boxes in & around yards
			2	Relocate Operation	-	-	?	?	-	-	?	will need to evaluate
			3	Replace Exist Equipment	Yes	Yes	No	No	Yes	-	NO	fleet is owned by haulaway carriers
			4	Retrofit w/ ICD's	Yes	Yes	No	No	Yes	-	NO	fleet is owned by haulaway carriers
			5	Manual Shutdown	Yes	Yes	?	Yes	Yes	Yes	?	fleet is owned by haulaway carriers
			6	Use LNG units	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			7	Use CARB diesel	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			8	Use specialty fuels	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			9	Retrofit with DPF's	Yes	Yes	No	No	-	-	No	fleet is owned by haulaway carriers
			10									
			11									
8	Other											
8a												
8b												
8c												
	•	•										
8d												
	•											

#### \* Typical Locomotive Models (fleet descriptions)

The Road fleet is comprised of high horsepower locomotives that pull large numbers of cars long distances between terminals/major yards.

The **Local** fleet is comprised of lower horsepower locomotives that deliver fewer cars (possilby up to 40) shorter distances between industry and terminals/major yards, the **Mixed fleet** is comprised of both Road and Local fleets.

**Tested fleet** is comprised of both Road and Local fleets.

\*\* When evaluating the feasibility of an option, answers entered above indicate the following;

**Yes**, it appears to be feasible given current technology

No, it does not appear to be feasible at this time

?.... means that thte option may be possible, yet needs more thorough evaluation

LT ..... Long Term option that may be feasible in the future, yet is not part of this 'Early Impacts' analysis.

All feasibility crteria muxt be answered 'Yes' for the option to be labeled "Yes' in the 'Go?' Column.